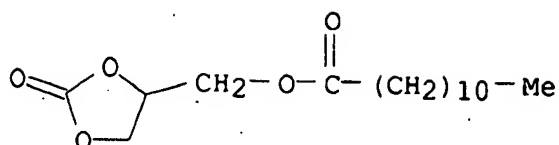


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AB A series of glycerol carbonate esters derived from glycerol carbonate was synthesized by acylation of glycerol carbonate in the presence of aliphatic acyl chlorides. The compds. are polyoxygenates with an endocyclic diester function and an exocyclic ester function. The compds. have good thermal and oxidation stability and exhibit surfactant properties towards water/soybean oil interface.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS

FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

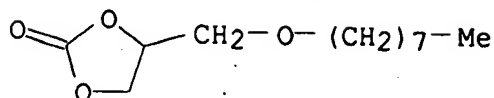
II
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:290832 CAPLUS
DOCUMENT NUMBER: 134:311397
TITLE: Preparation of glyceryl ethers from glycidyl ethers
INVENTOR(S): Okutsu, Munenao; Kitsuki, Tomohito
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001114719	A	20010424	JP 1999-296816	19991019

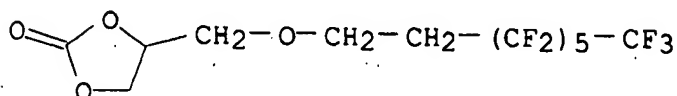
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PRIORITY APPLN. INFO.: JP 1999-296816 19991019

OTHER SOURCE(S): CASREACT 134:311397; MARPAT 134:311397
IT 175540-36-0P 334791-12-7P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of glyceryl ethers from glycidyl ethers)
RN 175540-36-0 CAPLUS
CN 1,3-Dioxolan-2-one, 4-[(octyloxy)methyl]- (9CI) (CA INDEX NAME)

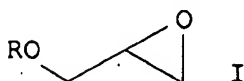
10/529781
10/528,700



RN 334791-12-7 CAPLUS
CN 1,3-Dioxolan-2-one, 4-[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)oxy)methyl]- (9CI) (CA INDEX NAME)



GI



AB $\text{ROCH}_2\text{CH(OH)CH}_2\text{OH}$ [R = C4-20 linear or branched (partially or totally fluorinated) alkyl (or its adduct with alkylene oxide)] are prepared by treatment of glycidyl ethers I (R = same as above) with CO_2 and hydrolysis

of the resulting glyceryl ether carbonates. Thus, 200 g octyl glycidyl ether was autoclaved with Alcamac L (hydrotalcite) at 50° and 5 MPa CO_2 for 12 h to give 220 g octyl glyceryl ether carbonate, which was hydrolyzed with NaOH in H_2O to afford 85% octyl glyceryl ether.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:561317 CAPLUS
DOCUMENT NUMBER: 115:161317
TITLE: Surfactant for emulsion coating materials
INVENTOR(S): Tashiro, Namiyuki; Yoshino, Fumio; Hosoda, Atsushi
PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03065232	A	19910320	JP 1989-202025	19890803
PRIORITY APPLN. INFO.:			JP 1989-202025	19890803